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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/508,519 03/27/00 KOMAKI

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IM52/0529

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EXAMINER

MCCLENDON, S

ART UNIT

PAPER NUMBER

1711

DATE MAILED:

05/29/01

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/508,519

Applicant(s)

KOMAKI, TSUYOSHI

Examiner

Sanza L McClendon

Art Unit

1711

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 March 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 18) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Suzuki et al (USP 5,573,831).

Suzuki et al teaches recording medium comprising a transparent substrate, a recording layer, a reflective layer and one or more protective layers. Said protective layer comprises an ultraviolet curable resin containing an organic and/or inorganic filler, wherein the fillers have water and oil absorbency.

Said ultraviolet resin comprises a composition containing at least one hydrophilic polymer, at least one hydrophilic monomer, at least one crosslinking monomer, and a radical initiator. The hydrophilic monomer can be chosen from the list in column 6, lines 6-54, wherein mono-acrylate monomers are taught. These monomers can be added in amounts from 20-98 parts by weight or preferably from 50 to 90 parts by weight. Suzuki et al teaches that the crosslinking monomer may include trimethylpropane triacrylate and others found in column 6, lines 55-63. Said crosslinking monomer can be added in

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amounts from 1-20 parts by weight. The radical initiator can be added in amounts from 0.1 to 10 parts by weight and are found in column 7, lines 17-28.

Suzuki et al teaches that the organic fillers should be water absorbing. Said organic fillers can be found in column 4, lines 56-end. These include acrylic resins, powders of lignin, protein or cellulose, polyvinylalcohol particles, and styrene. The inorganic particles can be found in column 5, lines 1-12. These include silica, talc, and mica. The fillers can be added in amounts from 1 to 80 parts by weight. Suzuki et al teaches, per the examples, that the fillers can have diameters ranging from 10 to 20 μ u.

The protective layer can be coated onto substrates, such as polycarbonate resin, polyacrylic resins, polyester resins, and inorganic substrates, such as glass. Suzuki et al teaches that the coating layers, (e.g., the recording layer, reflective layer, and protective layer) can be coated on the side opposite to the light incident surface of the medium, such that characters may be written directly on with a an oil-base or water soluble pen.

The inventions of claims 1-7 are read in the reference.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. JP 7-169100 to Suzuki et al.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanza L McClendon whose telephone number is (703) 305-0505. The examiner can normally be reached on Monday through Friday 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (703) 308-2462. The fax telephone numbers for the organization where this application or proceeding is assigned are (703) 872-9645 for regular communications and (703) 305-3599 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0657.

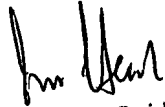
Sanza L McClendon

Examiner

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Smc

May 25, 2001


James J. Seidleck
Supervisory Patent Examiner
Technology Center 1700